J. Woirfach.

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1632

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/462,993

DATE: 09/15/2000 TIME: 14:29:33

Input Set : A:\017753-122.APP

Output Set: N:\CRF3\09152000\1462993.raw

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<110> APPLICANT: KIENY, Marie-Paule
         BALLOUL, Jean-Marc
         BIZOUARNE, Nadine
  <120> TITLE OF INVENTION: ANTITUMORAL COMPOSITION BASED ON IMMUNOGENIC
         POLYPEPTIDE WITH MODIFIED CELL LOCATION
10 <130> FILE REFERENCE: 017753-122
12 <140> CURRENT APPLICATION NUMBER: 09/462,993
13 <141> CURRENT FILING DATE: 2000-04-17
15 <150> PRIOR APPLICATION NUMBER: PCT/FR98/01576
16 <151> PRIOR FILING DATE: 1998-07-17
18 <150> PRIOR APPLICATION NUMBER: FR 97/09152
19 <151> PRIOR FILING DATE: 1997-07-18
21 <160> NUMBER OF SEQ ID NOS: 23
23 <170> SOFTWARE: PatentIn Ver. 2.2
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 243
27 <212> TYPE: PRT
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Description of Artificial Sequence: Derivated from
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32
         fused F protein signals, clone E6*TMF.
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36 Met Gly Leu Lys Val Asn Val Ser Ala Ile Phe Met Ala Val Leu Leu
   Thr Leu Gln Thr Pro Thr Gly Gln Ile His Trp Gly Met His Gln Lys 20 25 30
42 Arg Thr Ala Met Phe Gln Asp Pro Gln Glu Arg Pro Arg Lys Leu Pro 43 · 35 40 45
45 Gln Leu Cys Thr Glu Leu Gln Thr Thr Ile His Asp Ile Ile Leu Glu
48 Cys Val Tyr Cys Lys Gln Gln Leu Leu Arg Arg Glu Val Tyr Asp Phe
49 65 70 75 80
51 Ala Phe Arg Asp Leu Cys Ile Val Tyr Arg Asp Gly Ash Pro Tyr Ala
52 90 95
54 Val Cys Asp Lys Cys Leu Lys Phe Tyr Ser Lys Ile Ser Glu Tyr Arg
55 100 105 110
57 His Tyr Cys Tyr Ser Leu Tyr Gly Thr Thr Leu Glu Gln Gln Tyr Asn 58 115 120 125
60 Lys Pro Leu Cys Asp Leu Leu Ile Arg Cys Ile Asn Cys Gln Lys Pro
61 130 135 140
63 Leu Gln Arg His Leu Asp Lys Lys Gln Arg Phe His Asn Ile Arg Gly
64 145 150 155 160
66 Arg Trp Thr'Gly Arg Cys Met Ser Cys Cys Arg Ser Ser Arg Thr Arg 67 165 170 175
69 Arg Glu Thr Gln Leu Gly Leu Ser Ser Thr Ser Ile Val Tyr Ile Leu
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TIME: 14:29:33
                PATENT APPLICATION: US/09/462,993
                Input Set : A:\017753-122.APP
               Output Set: N:\CRF3\09152000\1462993.raw
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79 225
81 Arg Ser Leu
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87 <213> ORGANISM: Artificial Sequence
90 <223> OTHER INFORMATION: Derivated from human papillomavirus, strain
89 <220> FEATURE:
         HPV-16, E7 fusion signals of the rabies
91
          glycoprotein, clone E7*TMR.
                                                                                           RECEIVED
 92
 95 Met Val Pro Gln Ala Leu Leu Phe Val Pro Leu Leu Val Phe Pro Leu 95 10 15 15
 94 <400> SEQUENCE: 2
 98 Cys Phe Gly Lys Phe Pro Ile Gly Ser Met His Gly Asp Thr Pro Thr
98 Cys Phe Gly Lys Phe Pro Ile Gly Ser Met His Gly Asp Thr Pro Thr
99 20 25 30
101 Leu His Glu Tyr Met Leu Asp Leu Gln Pro Glu Thr Thr Gln Leu Asn
102 35
                                                                                               SEP 25 MIG
 TECH CENTER 1600/2900
 107 Glu Pro Asp Arg Ala His Tyr Asn Ile Val Thr Phe Cys Cys Lys Cys 108 65 70 75 80
 110 Asp Ser Thr Leu Arg Leu Cys Val Gln Ser Thr His Val Asp Ile Arg
 113 Thr Leu Glu Asp Leu Leu Met Gly Thr Leu Gly Ile Val Cys Pro Ile
114 100 105 110
 128 His Lys Ser Gly Glu Thr Arg Leu
129 180 185
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  139 <223> OTHER INFORMATION: Derivated from human papillomavirus, strain
            HPV-16, synthetic oligonucleotide oTG5118 (E7 deleted 21 26), anti-sense.
  140
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RAW SEQUENCE LISTING

DATE: 09/15/2000

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143 <400> SEQUENCE: 3

RAW SEQUENCE LISTING DATE: 09/15/2000 PATENT APPLICATION: US/09/462,993 TIME: 14:29:33

Input Set : A:\017753-122.APP
Output Set: N:\CRF3\09152000\1462993.raw

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152 <220> FEATURE:
153 <223> OTHER INFORMATION: Derivated from rabies virus, mutagenesis
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156 <400> SEQUENCE: 4
157 tgcactcagt aatacatagg atccaatagg gaatttccca aa
                                                                         42
160 <210> SEQ ID NO: 5
161 <211> LENGTH: 38
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Synthetic oligonucleotide oTG6390, anti-sense.
168 <400> SEQUENCE: 5
169 gtatetecat geatggatee tgeagggttt etetaegt
                                                                         38
172 <210> SEQ ID NO: 6
173 <211> LENGTH: 36
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Synthetic oligonucleotide oTG6880, anti-sense.
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185 <211> LENGTH: 32
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Derivative from rabies virus, strain
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194 <400> SEQUENCE: 7
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198 <210> SEQ ID NO: 8
199 <211> LENGTH: 34
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Synthetic oligonucleotide oT10829, non anti-sense.
206 <400> SEQUENCE: 8
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211 <211> LENGTH: 35
212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
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SEP 25 2008

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RAW SEQUENCE LISTING DATE: 09/15/2000 PATENT APPLICATION: US/09/462,993 TIME: 14:29:33

Input Set : A:\017753-122.APP
Output Set: N:\CRF3\09152000\1462993.raw

216 <223> OTHER INFORMATION: Synthetic oligonucleotide oTG10830, anti-sense. 218 <400> SEQUENCE: 9 219 cagttetett ttggtgcatg ceccaatgga tttga 222 <210> SEQ ID NO: 10 223 <211> LENGTH: 38 224 <212> TYPE: DNA 225 <213> ORGANISM: Artificial Sequence 227 <220> FEATURE: 228 <223> OTHER INFORMATION: Synthetic oligonucleotide oTG10835, non 229 anti-sense 231 <400> SEQUENCE: 10 232 atgctagtgc tcgataaacc cagctgggtt tctctacg 38 235 <210> SEQ ID NO: 11 236 <211> LENGTH: 35 237 <212> TYPE: DNA 238 <213> ORGANISM: Artificial Sequence 240 <220> FEATURE: 241 <223> OTHER INFORMATION: Synthetic oligonucleotide oTG10836, anti-sense. 243 <400> SEQUENCE: 11 244 tcaaatccat tggggcatgc accaaaagag aactg 247 <210> SEQ ID NO: 12 248 <211> LENGTH: 38 249 <212> TYPE: DNA 250 <213> ORGANISM: Artificial Sequence 252 <220> FEATURE: 253 <223> OTHER INFORMATION: Synthetic oligonucleotide oTG10833, non 254 anti-sense. 256 <400> SEQUENCE: 12 257 cgtagagaaa cccagctggg tttatcgagc actagcat 38 260 <210> SEQ ID NO: 13 261 <211> LENGTH: 36 262 <212> TYPE: DNA 263 <213> ORGANISM: Artificial Sequence 265 <220> FEATURE: 266 <223> OTHER INFORMATION: Synthetic oligonucleotide oTG10834, anti-sense. 268 <400> SEQUENCE: 13 269 gcgggcatgc ggtacctcag agcgacctta catagg 272 <210> SEQ ID NO: 14 273 <211> LENGTH: 32 274 <212> TYPE: DNA 275 <213> ORGANISM: Artificial Sequence 277 <220> FEATURE: 278 <223> OTHER INFORMATION: Derivated from vaccinia virus, strain modified Ankara, synthetic oligonucleotide oTG7637 (PCR III 279 280 region), non anti-sense. 282 <400> SEQUENCE: 14 32 283 gggggggaat tcagtaaact tgactaaatc tt .286 <210> SEQ ID NO: 15 287 <211> LENGTH: 39

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RAW SEQUENCE LISTING DATE: 09/15/2000
PATENT APPLICATION: US/09/462,993 TIME: 14:29:33

Input Set : A:\017753-122.APP

Output Set: N:\CRF3\09152000\1462993.raw

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292 <223> OTHER INFORMATION: Derivated from vaccinia virus, strain modified
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294
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296 <400> SEQUENCE: 15
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306 <223> OTHER INFORMATION: Derivated from vaccinia virus, strain modified
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308
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315 <211> LENGTH: 30
316 <212> TYPE: DNA
317 <213> ORGANISM: Artificial Sequence
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321
322
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329 <211> LENGTH: 77
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
334 <223> OTHER INFORMATION: Synthetic oligonucleotide oTG10502, non
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339 acactgactt gaggtac
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344 <212> TYPE: DNA
345 <213> ORGANISM: Artificial Sequence
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348 <223> OTHER INFORMATION: Synthetic oligonucleotide oTG10503, anti-sense.
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352 agaataaaa
355 <210> SEQ ID NO: 20
356 <211> LENGTH: 39
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VERIFICATION SUMMARY

DATE: 09/15/2000 TIME: 14:29:34

PATENT APPLICATION: US/09/462,993

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